

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : MINOLTA CO LTD

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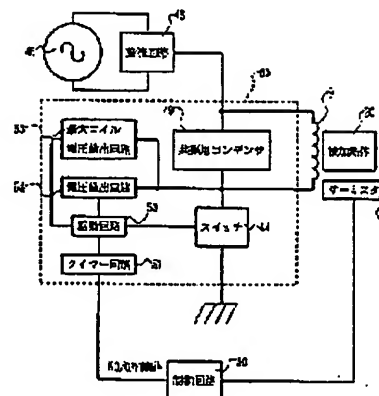
(72)Inventor : OKABAYASHI EIJI

(54) INDUCTION-HEATED FIXING DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an induction-heated fixing device for which a high-responsiveness countermeasure with respect to abnormally high temperature is taken by utilizing the change of a coil voltage changed at the same time when the temperature of a body to be heated is changed, quickly detecting abnormally high temperature of the body to be heated by detecting the maximum value of the coil voltage and stopping a high frequency power source circuit supplying an AC current to the coil.

SOLUTION: A necessary calorific value (heating output) is decided based on the temperature detected by a thermistor 6 arranged on the outside circumferential surface of the upper part of a fixing roller by a control means 50 as a control system for making a high-frequency current flow to the coil 9 of a fixing device. Then, a control signal is outputted and the high-frequency current flowing to the coil 9 is impressed. At this time, when the temperature of the fixing roller becomes abnormally high, a signal outputted from a maximum coil voltage detection circuit 55 becomes a level Lo and an inverter circuit 60 is immediately stopped. As the result, the fixing roller is prevented from being excessively heated.



LEGAL STATUS

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7月-6月 7-777,トヒ入ル。-。い。い。
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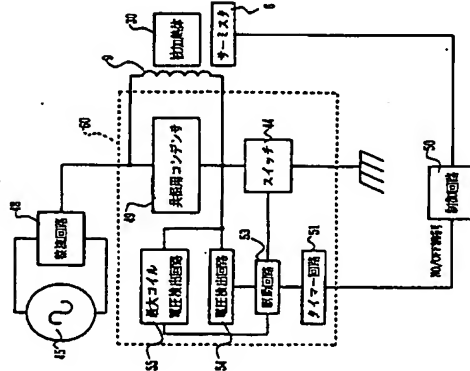
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第 2 請求 未請求 請求項の版 5 (全 11 頁)

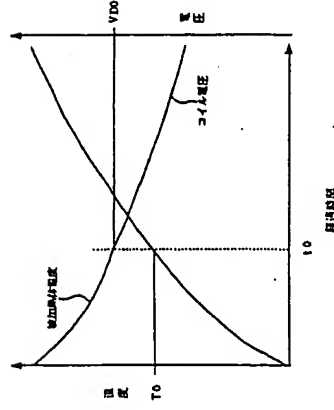
(72) 出願番号	特願平7-314360	(71) 出願人	000008793
(73) 出願人	222) 川原 日	ミノルタ株式会社	大阪府大阪市中央区安土町二丁目3番13号
	平成7年(1995)12月1日	大阪国藤ビル	
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		井野士 八田 幹雄 (外1名)	

(54)【発明の名称】 可導加熱定容装置

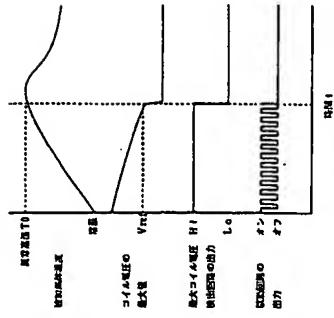
【理窟】 被加熱体の異常高温をいへ早く検出して、被加熱体の過加熱を防止した時、被加熱体若しくは被加熱物を提昇す

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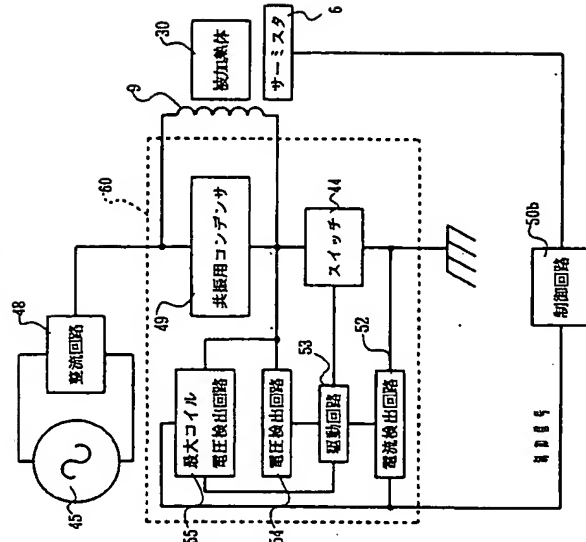
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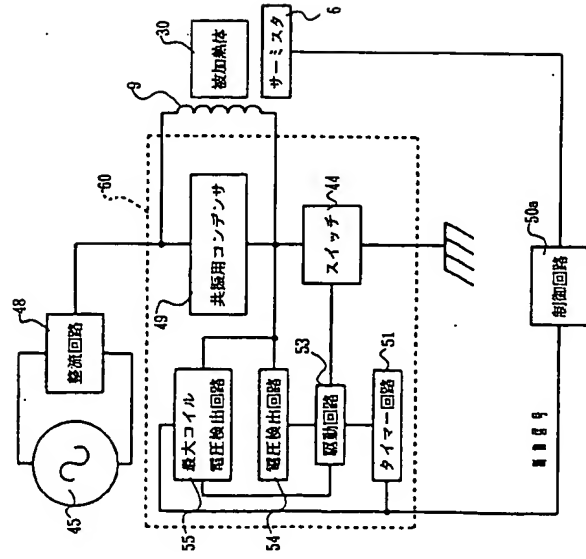
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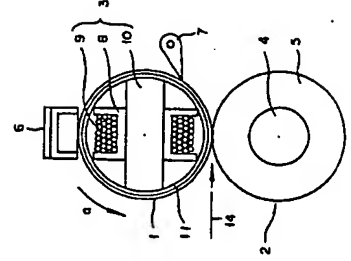
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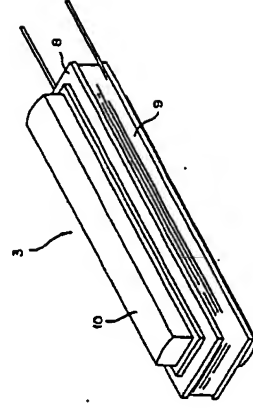
【図1】



【図6】



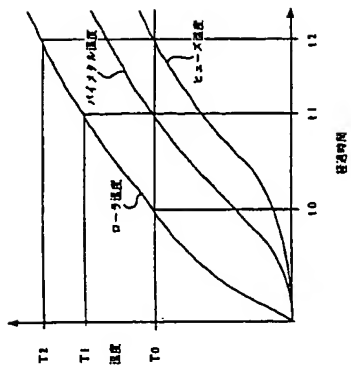
【図7】



特許平9-160406

(11)

(図1)



(図2)

